**Homework 10-FORM A Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Finding Unknown Angles Period: \_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| 1. Find the measure of b. **\*HINT\*** A complete circle is 360 | 2. Find the measure of b. **\*HINT\*** A right angle is 90 |
| 3. Find the measure of b **\*HINT\*** Vertical Angles are congruent | 4. Find the measure of b. |
| 5. Find the measure of b. | 6. Find the measure of b. |
| http://etc.usf.edu/clipart/17500/17509/400_17509_md.gif7. What is the measure, in degrees, of the angle between the hands of a standard clock and exactly 4:00? | 8. Find *a* and *b.* |
| 9. In the figure below, all lines intersect at point X with angle measures as marked. Find the measure of FXB.  A B  14 C  X  F    E D | 10. Tell whether the following angles are complementary, supplementary or neither. Justify your response using degree measures.    X  X  X |

**Mixed Review**

|  |  |  |
| --- | --- | --- |
| 1. Is the point (4, –3) on the line y = –2x + 3? | 2. Which of the following is a solution set to the equation: | 3. Solve for *m*. |
| 4. Write the inequality shown by the graph below. | 5. Solve for *V2*. | 6. What is the solution set to the inequality:  **\*REMEMBER\*** isolate the absolute value bars before creating two cases. |
| 7. What are the values that satisfy the equation: | 8. Put the following equation in slope-intercept form: ***(y= m(x) +b)***  2x + 4y = 20 | 9. What is the slope of the line 2x + 5y = –10 |
| 10. Graph the following equation. | http://0.tqn.com/d/math/1/0/A/1/distance.gif11. What is the distance between the points shown below? | 12. Graph the following points and determine the slope: (4, –3) and (0, 1) |